CLAIMS

 A method of making a semiconductor structure, comprising: etching an anti-reflective coating layer with an ARC etch plasma at a pressure of at most 10 millitorr;

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etching a nitride layer with a first nitride etch plasma having a first F:C ratio; and

etching the nitride layer with a second nitride etch plasma having a second F:C ratio;

wherein the first F:C ratio is greater than the second F:C ratio.

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- 2. The method of claim 1, wherein the etching an anti-reflective coating layer is performed at a pressure of at most 6 millitorr.
- 3. The method of claim 1, wherein the etching of the anti-reflective coating layer comprises performing an overetch.
- 4. The method of claim 1, wherein the etching of the nitride layer with the second nitride etch plasma comprises performing an overetch.
 - 5. The method of claim 1, further comprising a main etch.
 - 6. The method of claim 5, further comprising an overetch.
- 7. The method of claim 5, wherein the semiconductor structure comprises at most 10 drips per square centimeter.

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- 8. The method of claim 5, wherein the semiconductor structure comprises at most 8 drips per square centimeter.
- 9. The method of claim 5, wherein the semiconductor structure comprises at most 1 drip per square centimeter.
- 10. The method of claim 1, wherein the ARC etch plasma has a F:C ratio of at least 4.0.

- 11. The method of claim 1, wherein the first nitride etch plasma has a F:C ratio of at least 3.8.
- 12. The method of claim 1, wherein the second nitride etch plasma has a F:C ratio of at most 3.7.

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- 13. The method of claim 1, wherein the semiconductor structure has a minimum feature size of at most 1.8 micrometers.
- 14. A method of making a semiconductor structure, comprising: etching an anti-reflective coating layer at a pressure of at most 6 millitorr;

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overetching the anti-reflective coating layer;
etching a nitride layer with a first nitride etch plasma having a
F:C ratio of at least 3.8;

etching the nitride layer with a second nitride etch plasma having a F:C ratio at most 3.7; and

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overetching the nitride layer with the second nitride etch plasma; wherein the semiconductor structure has at most 1 drip per square centimeter, and has a minimum feature size of at most 1.8 micrometers.

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- 15. The method of claim 14, further comprising a main etch and an overetch.
 - 16. A method of making a semiconductor device, comprising: making a semiconductor structure by the method of claim 1; and forming a semiconductor device from said structure.
 - A method of making a semiconductor device, comprising:
 making a semiconductor structure by the method of claim 14;

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and

forming a semiconductor device from said structure.

| 18. | 3. | A method of making an electronic device, comprising: |
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| | | making a semiconductor device by the method of claim 16; and |
| | | forming an electronic device, comprising said semiconductor |
| device. | | |

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19. A method of making an electronic device, comprising: making a semiconductor device by the method of claim 17; and forming an electronic device, comprising said semiconductor device.

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centimeter.

21. The semiconductor structure of claim 20, having at most 8 drips per square centimeter.

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- 22. The semiconductor structure of claim 20, having at most 1 drip per square centimeter.
 - 23. A semiconductor structure, formed by the method of claim 1.
 - 24. A semiconductor structure, formed by the method of claim 14.
- 25. In a method of making a semiconductor structure including etching an anti-reflective coating layer with an ARC etch plasma, etching a nitride layer, and etching a polysilicon layer, the improvement comprising: applying the ARC etch plasma at a pressure of at most 10 millitorr; and

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etching the nitride layer with a first nitride etch plasma having a first F:C ratio, followed by a second nitride etch plasma having a second F:C ratio;

wherein the first F:C ratio is greater than the second F:C ratio.